

MALAYSIA

Percentage below/above median

Country/Territory Administrative level	Dates of survey		Area	Sex	Age	Sample	Percentage below/above median						Notes	Ref. No.	
	Months	Year			group (years)	size	WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE			
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD
Local		1980	RURAL		0. -5.99	462	0.2	4.7	1.3	14.1	43.9	3.9	37.0	Poor rural kampungs	00322
			RURAL		0. -0.99	73	1.4	2.7	8.2	6.9	26.0	0.0	13.7	Poor rural kampungs	
			RURAL		1	94	0.0	6.4	0.0	12.8	37.2	1.1	33.0	Poor rural kampungs	
			RURAL		2	65	0.0	4.6	0.0	15.4	41.5	7.7	44.6	Poor rural kampungs	
			RURAL		3	76	0.0	6.6	0.0	14.5	48.7	6.6	46.1	Poor rural kampungs	
			RURAL		4	91	0.0	5.5	0.0	15.4	56.0	6.6	38.5	Poor rural kampungs	
			RURAL		5	63	0.0	1.6	0.0	20.6	54.0	1.6	49.0	Poor rural kampungs	
			RURAL	M	0. -5.99	237	0.0	4.2	0.8	14.3	46.4	2.5	37.1		
			RURAL	M	0. -0.99	42	0.0	0.0	4.8	7.1	28.6	0.0	11.9		
			RURAL	M	1	46	0.0	4.3	0.0	17.4	41.3	0.0	34.8		
			RURAL	M	2	30	0.0	6.7	0.0	20.0	50.0	6.7	53.3		
			RURAL	M	3	40	0.0	10.0	0.0	7.5	42.5	5.0	40.0		
			RURAL	M	4	44	0.0	4.5	0.0	15.9	63.6	4.5	43.2		
			RURAL	M	5	35	0.0	0.0	0.0	20.0	54.3	0.0	45.7		
			RURAL	F	0. -5.99	225	0.4	5.3	1.8	13.8	41.3	5.3	36.9		
			RURAL	F	0. -0.99	31	3.2	6.4	12.9	6.4	22.6	0.0	16.1		
			RURAL	F	1	48	0.0	8.3	0.0	8.3	33.3	2.1	31.2		
			RURAL	F	2	35	0.0	2.9	0.0	11.4	34.3	8.6	37.1		
			RURAL	F	3	36	0.0	2.8	0.0	22.2	55.6	8.3	52.8		
			RURAL	F	4	47	0.0	6.4	0.0	14.9	48.9	8.5	34.0		
RURAL	F	5	28	0.0	3.6	0.0	21.4	53.6	3.6	53.6					
Province	MAR	1982			0. -5.99	95		4.0		32.0		23.0	Sabah State	00323	
					0. -0.99	17		6.0		0.0		6.0	Sabah State		
					1	17		12.0		47.0		29.0	Sabah State		
					2	21		5.0		33.0		19.0	Sabah State		
					3	15		0.0		27.0		33.0	Sabah State		
					4	14		0.0		43.0		29.0	Sabah State		
					5	11		0.0		43.0		27.0	Sabah State		
District	SEP	1988	RURAL		1. -5.99	672	1.6	10.3		28.8	67.2	11.0	52.6	Tambunan district	00775
			RURAL		1	141	3.6	14.9		31.8	63.7	19.1	59.6		
			RURAL		2	165	2.4	14.5		35.7	72.1	14.6	54.5		
			RURAL		3	122	0.8	9.0		22.9	63.1	5.8	47.6		

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	Months	Year			group (years)	size	WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE			
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD
District	SEP	1988	RURAL		4	135	0.0	5.2		25.9	65.9	5.9	50.4		00775
			RURAL		5	109	0.9	5.5		24.7	70.6	7.3	48.6		
			RURAL	M	1. -5.99	334	2.1	12.3		30.5	67.6	11.7	55.7		
			RURAL	M	1	84	4.8	20.2		29.6	61.7	21.4	61.9		
			RURAL	M	2	71	2.8	18.3		46.5	71.8	16.9	64.8		
			RURAL	M	3	58	1.7	13.8		22.4	63.8	5.2	48.3		
			RURAL	M	4	64	0.0	3.1		20.3	64.1	3.1	46.9		
			RURAL	M	5	57	0.0	1.8		31.5	78.9	7.0	52.6		
			RURAL	F	1. -5.99	338	1.2	8.3		27.2	66.8	10.4	49.5		
			RURAL	F	1	57	1.8	7.2		35.1	66.7	15.8	56.2		
			RURAL	F	2	94	2.1	11.7		27.6	72.3	12.8	46.8		
			RURAL	F	3	64	0.0	4.7		23.4	62.5	6.3	46.9		
			RURAL	F	4	71	0.0	7.0		31.0	67.6	8.5	53.6		
			RURAL	F	5	52	1.9	9.6		17.3	61.5	7.7	44.2		
			Province		1990	RURAL		0. -4.99	641		10.9		41.2		
National	MAR-SEP	1990			0. -4.99	316306					0.5	25.0	National surveillance system	01319	
					0. -4.99	49915					0.1	15.5	Johor state		
					0. -4.99	25686					0.6	25.4	Kedah state		
					0. -4.99	27621					0.7	31.8	Kelantan state		
					0. -4.99	15473					0.3	26.4	Melaka state		
					0. -4.99	15871					0.7	30.2	Negeri Sembilan state		
					0. -4.99	31307					0.5	29.8	Pahang state		
					0. -4.99	36390					0.8	28.4	Perak state		
					0. -4.99	3494					0.4	30.8	Perlis state		
					0. -4.99	13957					0.6	26.0	Pulau Pinang state		
					0. -4.99	38155					0.2	21.9	Selangor state		
					0. -4.99	18090					0.8	27.7	Terengganu state		
					0. -4.99	275959					0.5	25.3	Total Peninsular Malaysia		
					0. -4.99	40347					0.4	22.8	x Sarawak state		
National	MAR-SEP	1991			0. -4.99	323299					0.5	26.1	National surveillance system	01319	
					0. -4.99	47771					0.1	15.7	Johor state		
					0. -4.99	23833					0.8	33.4	Kedah state		

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							WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE			
	Months	Year					-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD
National	MAR-SEP	1991			0. -4.99	28299						0.5	30.7	Kelantan state	01319
					0. -4.99	12078						0.4	27.6	Melaka state	
					0. -4.99	15134						0.6	30.7	Negeri Sembilan state	
					0. -4.99	29340						0.4	30.0	Pahang state	
					0. -4.99	29215						0.8	30.5	Perlak state	
					0. -4.99	3196						0.0	26.3	Perlis state	
					0. -4.99	14943						0.5	25.3	Pulau Pinang state	
					0. -4.99	33664						0.2	21.7	Selangor state	
					0. -4.99	17814						0.5	28.9	Terengganu state	
					0. -4.99	255287						0.4	26.2	Total Peninsular Malaysia	
					0. -4.99	29191						1.2	30.8	x Sabah state	
					0. -4.99	38821						0.3	22.2	x Sarawak state	
			National	MAR-SEP	1992			0. -4.99	325469						
		0. -4.99				46236						0.1	15.5	Johor state	
		0. -4.99				22935						0.8	33.9	Kedah state	
		0. -4.99				25247						0.5	32.7	Kelantan state	
		0. -4.99				12875						0.4	25.0	Melaka state	
		0. -4.99				14992						0.4	26.6	Negeri Sembilan state	
		0. -4.99				27728						0.4	28.2	Pahang state	
		0. -4.99				29277						1.2	28.7	Perak state	
		0. -4.99				3200						0.3	27.9	Perlis state	
		0. -4.99				17281						0.3	20.2	Pulau Pinang state	
		0. -4.99				36834						0.2	22.5	Selangor state	
		0. -4.99				17701						0.5	28.3	Terengganu state	
		0. -4.99				254306						0.4	25.2	Total Peninsular Malaysia	
		0. -4.99				30091						0.9	35.4	x Sabah state	
		0. -4.99				41072						0.4	20.5	x Sarawak state	
Regional	NOV	1992			1. -5.99	506	0.0	7.5	0.7	8.7	33.1	7.3	34.7	Peninsula Malaysis	02445
					2. -3.99	219	0.0	8.9	0.0	7.1	28.5	10.1	39.6		
					4. -5.99	208	0.0	7.4	0.7	9.5	34.3	5.9	29.4		
					1	79	0.0	4.2	2.1	10.4	41.7	3.8	36.5		
Regional		1992-95	RURAL	0. -5.99	1620			10.7			26.6		32.0	02006	

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	Months	Year			group (years)	size	WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE							
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD				
Regional		1992-95	RURAL		0. -0.99	193			13.3			12.3			02006				
			RURAL		1. -5.99	1427			10.3			28.4		34.3					
			RURAL	M	0. -5.99	795			10.6			26.4		30.7					
			RURAL	M	0. -0.99	95			11.4			13.8		16.8					
			RURAL	M	1. -5.99	700			10.5			28.0		32.6					
			RURAL	F	0. -5.99	825			10.7			26.7		33.2					
			RURAL	F	0. -0.99	98			15.1			10.8		13.3					
			RURAL	F	1. -5.99	727			10.1			28.8		35.9					
National	MAR-SEP	1993			0. -4.99	313246						0.5	23.3	National surveillance system	01319				
					0. -4.99	44797						0.1	12.0	Johor state					
					0. -4.99	22963						0.6	32.8	Kedah state					
					0. -4.99	27048						0.5	28.6	Kelantan state					
					0. -4.99	12434						0.7	24.1	Melaka state					
					0. -4.99	14194						0.4	21.3	Negeri Sembilan state					
					0. -4.99	24925						0.5	28.1	Pahang state					
					0. -4.99	29154						0.8	26.9	Perak state					
					0. -4.99	3060						0.7	28.3	Perlis state					
					0. -4.99	17145						0.3	18.5	Pulau Pinang state					
					0. -4.99	33376						0.2	22.5	Selangor state					
					0. -4.99	16902						0.5	26.7	Terengganu state					
					0. -4.99	245998						0.4	23.4	Total Peninsular Malaysia					
					0. -4.99	30756						1.0	26.6	x Sabah state					
					0. -4.99	36492						0.3	19.7	x Sarawak state					
			National		1994			0. -4.99	317551							0.4	22.4	National surveillance system	01613
								0. -4.99	43165							0.1	12.8	Johor	
		0. -4.99				23540						0.4	26.7	Kedah					
		0. -4.99				26857						0.5	26.8	Kelantan					
		0. -4.99				12414						0.3	24.8	Melaka					
		0. -4.99				12964						0.4	24.1	Negeri Sembilan					
		0. -4.99				17826						0.3	19.1	P. Pinang					
		0. -4.99				23928						0.4	25.2	Pahang					
		0. -4.99				31032						1.0	27.8	Perak					

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	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE			
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD
National		1994			0. -4.99	3134						0.2	25.6	Perlis	01613
					0. -4.99	34230						1.0	25.0	Sabah	
					0. -4.99	36093						0.5	18.6	Sarawak	
					0. -4.99	36498						0.1	20.8	Selangor	
					0. -4.99	15870						0.5	27.3	Terengganu	
					0. -0.99	126941						0.6	20.4		
					1. -4.99	190						0.3	23.8		
National		1995			0. -4.99	344736						0.6	20.1	National surveillance system	01613
					0. -4.99	45969						0.3	13.7	Johor	
					0. -4.99	26199						1.0	22.5	Kedah	
					0. -4.99	28819						0.7	25.7	Kelantan	
					0. -4.99	13341						0.6	25.5	Melaka	
					0. -4.99	13175						0.6	18.2	Negeri Sembilan	
					0. -4.99	19779						0.2	15.9	P. Pinang	
					0. -4.99	26839						0.9	23.2	Pahang	
					0. -4.99	30983						0.7	19.8	Perak	
					0. -4.99	3274						0.2	19.9	Perlis	
					0. -4.99	34400						0.8	23.7	Sabah	
					0. -4.99	44081						0.6	18.5	Sarawak	
					0. -4.99	39864						0.2	15.6	Selangor	
					0. -4.99	18013						1.2	29.1	Terengganu	
					0. -0.99	132900						0.7	18.6		
					1. -4.99	211836						0.6	21.0		
			National		1999			0. -4.99	5108	3.3	13.3	3.3	5.3	15.6	
		0. -4.99				711	3.0	10.5	5.5	5.6	11.9	1.8	12.8	Johor	
		0. -4.99				359	2.5	11.7	1.4	1.4	8.1	1.4	18.1	Kedah	
		0. -4.99				329	4.3	19.5	1.5	6.1	22.5	5.5	30.1	Kelantan	
		0. -4.99				147	7.5	17.0	1.4	2.7	9.5	3.4	23.8	Melaka	
		0. -4.99				182	2.2	8.8	2.2	2.2	11.5	0.0	15.9	Negeri Sembilan	
		0. -4.99				335	7.5	19.1	1.8	1.2	6.9	2.1	16.1	Pahang	
		0. -4.99				611	2.3	14.6	3.8	7.4	20.5	2.9	20.7	Perak	
		0. -4.99				143	4.2	19.6	2.8	3.5	15.4	3.5	23.8	Perlis	

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	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE				
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD	
National		1999			0. -4.99	267	1.5	15.0	3.3	3.7	13.1	3.4	16.1	Pulau Pinang	02549	
					0. -4.99	674	3.9	12.5	3.4	12.5	26.6	2.8	22.4	Sabah		
					0. -4.99	515	1.7	8.9	3.8	3.1	14.6	2.9	19.4	Sarawak		
					0. -4.99	348	5.5	14.7	4.3	1.7	10.0	2.0	14.6	Selangor		
					0. -4.99	257	1.9	10.8	3.9	9.3	23.7	4.7	23.8	Terengganu		
					0. -4.99	230	0.9	12.6	2.6	2.6	9.1	1.7	13.9	Wilayah Persekutuan		
					0. -0.49	495	2.2	7.7	3.6	0.6	3.8	0.0	2.0			
					0.50-0.99	506	2.4	14.5	3.4	3.6	11.5	1.6	14.2			
					1	1119	5.4	19.3	2.7	6.3	17.7	3.3	22.2			
					2	1107	2.6	12.4	1.8	6.6	16.0	3.5	24.0			
					3	1042	2.8	12.5	4.1	5.7	16.4	2.5	19.9			
					4	839	3.3	10.2	5.1	6.0	21.1	3.2	20.1			
					URBAN	0. -4.99	2773	2.9	12.1	3.7	4.8	13.2	2.2	16.0		
					RURAL	0. -4.99	2335	3.8	14.7	2.9	6.0	18.6	3.3	22.6		
					M	0. -4.99	2702	3.4	13.5	3.4	5.6	16.7	2.6	19.4		
					M	0. -0.49	256	2.3	6.2	3.9	0.8	3.9	0.0	2.0		
					M	0.50-0.99	279	2.9	13.7	2.5	4.7	14.0	2.2	15.1		
					M	1	591	6.4	21.0	2.5	7.1	19.1	4.1	24.4		
					M	2	566	2.3	12.2	1.9	6.7	17.3	2.8	24.2		
					M	3	558	2.3	13.1	4.4	5.2	16.8	1.8	19.2		
					M	4	452	3.1	10.2	5.3	6.2	22.1	3.3	19.9		
					F	0. -4.99	2406	3.2	13.1	3.4	5.0	14.4	2.7	18.5		
					F	0. -0.49	239	2.1	9.2	3.4	0.4	3.7	0.0	2.1		
					F	0.50-0.99	227	1.8	15.5	4.4	2.2	8.4	0.9	13.2		
					F	1	528	4.2	17.3	2.8	5.3	16.1	2.5	19.7		
					F	2	541	3.0	12.8	1.7	6.5	14.6	4.3	23.9		
					F	3	484	3.3	11.8	3.9	6.2	16.3	3.3	20.7		
					F	4	387	3.6	10.3	4.9	5.7	19.9	3.1	20.4		